

## ABSTRACT

A mobile phase collection device for increasing the total collectible volume of a liquid fraction that is collected in supercritical fluid chromatography or liquid chromatography includes a collection vessel assembly that is suitable for increasing the total collectable volume of a liquid phase fraction while using a relatively smaller collection vessel. A vessel extender is attached to an attachment end of a relatively smaller collection vessel, resulting in the ability to increase the total volumetric size of a collection vessel. The extended vessel assembly can be used throughout an entire purification and dry down process.